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(54) **Process for producing N-phosphonomethylglycine.**

(57) N-phosphonomethylglycine can be produced by contacting N-phosphonomethyliminodiacetic acid with a molecular oxygen-containing gas in the presence of an effective amount of a catalyst selected from the group consisting of the salts and salt complexes of manganese and cobalt, and an effective amount of bromide ion.

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## EUROPEAN SEARCH REPORT

Application Number

EP 89 87 0137

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                     |                                                                               |                                                                                                                                                                                                                                                                                       |                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Category                                                                                                                                                                                                                | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim                                                                                                                                                                                                                                                                     | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| D,Y                                                                                                                                                                                                                     | FR-A-2 193 831 (MONSANTO CO.)<br>* Entire document *                          | 1-17                                                                                                                                                                                                                                                                                  | C 07 F 9/38                                   |
| P,Y                                                                                                                                                                                                                     | EP-A-0 314 662 (MONSANTO CO.)<br>* Entire document# *                         | 1-17                                                                                                                                                                                                                                                                                  |                                               |
|                                                                                                                                                                                                                         |                                                                               |                                                                                                                                                                                                                                                                                       | TECHNICAL FIELDS SEARCHED (Int. Cl.5)         |
|                                                                                                                                                                                                                         |                                                                               |                                                                                                                                                                                                                                                                                       | C 07 F 9/00                                   |
| The present search report has been drawn up for all claims                                                                                                                                                              |                                                                               |                                                                                                                                                                                                                                                                                       |                                               |
| Place of search<br>THE HAGUE                                                                                                                                                                                            |                                                                               | Date of completion of the search<br>21-12-1990                                                                                                                                                                                                                                        | Examiner<br>BESLIER L.M.                      |
| <b>CATEGORY OF CITED DOCUMENTS</b>                                                                                                                                                                                      |                                                                               |                                                                                                                                                                                                                                                                                       |                                               |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |                                                                               | I : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>.....<br>& : member of the same patent family, corresponding document |                                               |